

CLAIMS

1.- Improvements to couplings for the teeth of earth-moving machines, of the type which comprise projecting lugs on the tooth that can be coupled in matching seatings of the tooth holder and a transverse seating for a pin, characterized in that the lugs of the tooth longitudinally have stepped guides on their upper and lower edges which continue in the area of attack in widened abutment regions to obtain greater reinforcement, being combined with matching profiles of said stepped guides and widened regions in the body of the tooth holder and with an internal projecting abutment arranged in at least one of said lugs, capable of being guided in the internal part of a corresponding straight guide of the tooth holder, said abutment, after the mounting of the tooth in the tooth holder, being arranged such as to retain the pin, which is disposed in a pin seating provided in a generally vertical arrangement in the body of the tooth holder.

2.- Improvements according to claim 1, characterized in that the widened abutment regions have a curved shape.

3.- Improvements according to claim 1, characterized in that the widened abutment regions are in the shape of an inclined plane.

4.- Improvements according to claim 1, characterized in that the widened abutment regions are in the shape of a straight step.

5.- Improvements according to claim 1, characterized in that the lugs of the tooth are gently inclined transversely, their upper and lower edges being in different vertical planes.

6.- Improvements according to claim 5, characterized in that the lugs of the tooth have their upper edges arranged further towards the interior of the tooth than their lower edges.

7.- Improvements according to claim 1, characterized in that the lugs of the teeth have transversely a flat or curved shape.

8.- Improvements according to claim 1, characterized in that the straight guide or guides of the nose of the tooth holder, for the internal abutment or abutments of the lugs of the tooth, extend for a length shorter than the total length of said nose of

the tooth, in order to obtain greater mechanical strength.

9.- Improvements according to claim 1, characterized in that the straight guide or guides of the nose of the tooth holder for the internal abutment or abutments of the lugs of the tooth extend through as far as the rear end of said nose with its open end.

10.- Improvements according to claim 1, characterized by the arrangement of an inlet chamfer in the opening for introduction of the pin, in order to improve the mounting and disassembly of the latter.

11.- Improvements according to claim 1, characterized in that at least one of the lateral lugs of the tooth has a transverse aperture for inspecting the coupling of the pin and for assisting the disassembly thereof.

